

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/551,833
Source: IFWP
Date Processed by STIC: 8/21/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/551,833

TIME: 14:53:17

Input Set : A:\21108.0028P1.SEQ.TXT
 Output Set: N:\CRF4\08212006\J551833.raw

4 <110> APPLICANT: Giger, Roman J.
 7 <120> TITLE OF INVENTION: IDENTIFICATION OF NOVEL NOGO-RECEPTORS
 8 AND METHODS RELATED THERETO
 11 <130> FILE REFERENCE: 21108.0028U2
 13 <140> CURRENT APPLICATION NUMBER: 10/551,833
 14 <141> CURRENT FILING DATE: 2005-10-03
 16 <150> PRIOR APPLICATION NUMBER: PCT/US04/010328
 17 <151> PRIOR FILING DATE: 2004-04-02
 19 <150> PRIOR APPLICATION NUMBER: 60/460,849
 20 <151> PRIOR FILING DATE: 2003-04-04
 22 <160> NUMBER OF SEQ ID NOS: 29
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 473
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
 33 Synthetic Construct
 35 <400> SEQUENCE: 1
 36 Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 37 1 5 10 15
 38 Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
 39 20 25 30
 40 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 41 35 40 45
 42 Gln Ala Val Pro Thr Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
 43 50 55 60
 44 His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys
 45 65 70 75 80
 46 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile
 47 85 90 95
 48 Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
 49 100 105 110
 50 Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly
 51 115 120 125
 52 Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
 53 130 135 140
 54 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 55 145 150 155 160
 56 Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
 57 165 170 175
 58 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser

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```

59          180          185          190
60 Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
61          195          200          205
62 Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
63          210          215          220
64 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met
65 225          230          235          240
66 Leu Pro Ala Glu Val Leu Val Pro Leu Arg Ser Leu Gln Tyr Leu Arg
67          245          250          255
68 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
69          260          265          270
70 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Asn
71          275          280          285
72 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Ser
73          290          295          300
74 Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Phe Gln
75 305          310          315          320
76 Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu Gly Leu Pro Lys Cys Cys
77          325          330          335
78 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
79          340          345          350
80 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Pro Gly Asp Thr
81          355          360          365
82 Pro Pro Gly Asn Gly Ser Gly Pro Arg His Ile Asn Asp Ser Pro Phe
83          370          375          380
84 Gly Thr Leu Pro Gly Ser Ala Glu Pro Pro Leu Thr Ala Leu Arg Pro
85 385          390          395          400
86 Gly Gly Ser Glu Pro Pro Gly Leu Pro Thr Thr Gly Pro Arg Arg Arg
87          405          410          415
88 Pro Gly Cys Ser Arg Lys Asn Arg Thr Arg Ser His Cys Arg Leu Gly
89          420          425          430
90 Gln Ala Gly Ser Gly Ser Ser Gly Thr Gly Asp Ala Glu Gly Ser Gly
91          435          440          445
92 Ala Leu Pro Ala Leu Ala Cys Ser Leu Ala Pro Leu Gly Leu Ala Leu
93          450          455          460
94 Val Leu Trp Thr Val Leu Gly Pro Cys
95 465          470

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97 <210> SEQ ID NO: 2

98 <211> LENGTH: 286

99 <212> TYPE: PRT

100 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
 104 Synthetic Construct

106 <400> SEQUENCE: 2

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107 Pro Val Thr Pro Ser Cys Pro Met Leu Cys Thr Cys Tyr Ser Ser Pro
108 1          5          10          15
109 Pro Thr Val Ser Cys Gln Ala Asn Asn Phe Ser Ser Val Pro Leu Ser
110          20          25          30

```

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Output Set: N:\CRF4\08212006\J551833.raw

```

111 Leu Pro Pro Ser Thr Gln Arg Leu Phe Leu Gln Asn Asn Leu Ile Arg
112          35          40          45
113 Ser Leu Arg Pro Gly Thr Phe Gly Pro Asn Leu Leu Thr Leu Trp Leu
114          50          55          60
115 Phe Ser Asn Asn Leu Ser Thr Ile Tyr Pro Gly Thr Phe Arg His Leu
116 65          70          75          80
117 Gln Ala Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg His Leu Arg Ser
118          85          90          95
119 Leu Glu Pro Asp Thr Phe Gln Gly Leu Glu Arg Leu Gln Ser Leu His
120          100          105          110
121 Leu Tyr Arg Cys Gln Leu Ser Ser Leu Pro Gly Asn Ile Phe Arg Gly
122          115          120          125
123 Leu Val Ser Leu Gln Tyr Leu Tyr Leu Gln Glu Asn Ser Leu Leu His
124          130          135          140
125 Leu Gln Asp Asp Leu Phe Ala Asp Leu Ala Asn Leu Ser His Leu Phe
126 145          150          155          160
127 Leu His Gly Asn Arg Leu Arg Leu Leu Thr Glu His Val Phe Arg Gly
128          165          170          175
129 Leu Gly Ser Leu Asp Arg Leu Leu Leu His Gly Asn Arg Leu Gln Gly
130          180          185          190
131 Val His Arg Ala Ala Phe His Gly Leu Ser Arg Leu Thr Ile Leu Tyr
132          195          200          205
133 Leu Phe Asn Asn Ser Leu Ala Ser Leu Pro Gly Glu Ala Leu Ala Asp
134          210          215          220
135 Leu Pro Ala Leu Glu Phe Leu Arg Leu Asn Ala Asn Pro Trp Ala Cys
136 225          230          235          240
137 Asp Cys Arg Ala Arg Pro Leu Trp Ala Trp Phe Gln Arg Ala Arg Val
138          245          250          255
139 Ser Ser Ser Asp Val Thr Cys Ala Thr Pro Pro Glu Arg Gln Gly Arg
140          260          265          270
141 Asp Leu Arg Thr Leu Arg Asp Thr Asp Phe Gln Ala Cys Pro
142          275          280          285
144 <210> SEQ ID NO: 3
145 <211> LENGTH: 420
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
151     Synthetic Construct
153 <400> SEQUENCE: 3
154 Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Gly Pro Ala Ser Ala Cys
155 1          5          10          15
156 Leu Leu Leu Thr Leu Leu Ala Leu Pro Pro Val Thr Pro Ser Cys Pro
157          20          25          30
158 Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Ser Cys Gln Ala
159          35          40          45
160 Asn Asn Phe Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr Gln Arg
161          50          55          60
162 Leu Phe Leu Gln Asn Asn Leu Ile Arg Ser Leu Arg Pro Gly Thr Phe

```

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Output Set: N:\CRF4\08212006\J551833.raw

```

163 65          70          75          80
164 Gly Pro Asn Leu Leu Thr Leu Trp Leu Phe Ser Asn Asn Leu Ser Thr
165          85          90          95
166 Ile Tyr Pro Gly Thr Phe Arg His Leu Gln Ala Leu Glu Glu Leu Asp
167          100          105          110
168 Leu Gly Asp Asn Arg His Leu Arg Ser Leu Glu Pro Asp Thr Phe Gln
169          115          120          125
170 Gly Leu Glu Arg Leu Gln Ser Leu His Leu Tyr Arg Cys Gln Leu Ser
171          130          135          140
172 Ser Leu Pro Gly Asn Ile Phe Arg Gly Leu Val Ser Leu Gln Tyr Leu
173 145          150          155          160
174 Tyr Leu Gln Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu Phe Ala
175          165          170          175
176 Asp Leu Ala Asn Leu Ser His Leu Phe Leu His Gly Asn Arg Leu Arg
177          180          185          190
178 Leu Leu Thr Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp Arg Leu
179          195          200          205
180 Leu Leu His Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala Phe His
181 210          215          220
182 Gly Leu Ser Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser Leu Ala
183 225          230          235          240
184 Ser Leu Pro Gly Glu Ala Leu Ala Asp Leu Pro Ala Leu Glu Phe Leu
185          245          250          255
186 Arg Leu Asn Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg Pro Leu
187          260          265          270
188 Trp Ala Trp Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val Thr Cys
189          275          280          285
190 Ala Thr Pro Pro Glu Arg Gln Gly Arg Asp Leu Arg Thr Leu Arg Asp
191          290          295          300
192 Thr Asp Phe Gln Ala Cys Pro Pro Pro Thr Pro Thr Arg Pro Gly Ser
193 305          310          315          320
194 Arg Ala Arg Gly Asn Ser Ser Ser Asn His Leu Tyr Gly Val Ala Glu
195          325          330          335
196 Ala Gly Ala Pro Pro Ala Asp Pro Ser Thr Leu Tyr Arg Asp Leu Pro
197          340          345          350
198 Ala Glu Asp Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr Glu Asp
199          355          360          365
200 Asp Tyr Trp Gly Gly Tyr Gly Gly Glu Asp Gln Arg Gly Glu Gln Thr
201          370          375          380
202 Cys Pro Gly Ala Ala Cys Gln Ala Pro Ala Asp Ser Arg Gly Pro Val
203 385          390          395          400
204 Leu Ser Ala Gly Leu Arg Thr Pro Leu Leu Cys Leu Leu Leu Leu Ala
205          405          410          415
206 Pro His His Leu
207          420
209 <210> SEQ ID NO: 4
210 <211> LENGTH: 175
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence

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Input Set : A:\21108.0028P1.SEQ.TXT

Output Set: N:\CRF4\08212006\J551833.raw

214 <220> FEATURE:

215 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =

216 Synthetic Construct

218 <400> SEQUENCE: 4

219 Asn Gly Asn Ala Trp Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu

220 1 5 10 15

221 Trp Leu Arg Arg Phe Arg Gly Ser Ser Ser Val Val Pro Cys Ala Thr

222 20 25 30

223 Pro Glu Leu Arg Gln Gly Gln Asp Leu Lys Ser Leu Arg Val Glu Asp

224 35 40 45

225 Phe Arg Asn Cys Thr Gly Pro Ala Ser Pro His Gln Ile Lys Ser His

226 50 55 60

227 Thr Leu Ser Thr Ser Asp Arg Ala Ala Arg Lys Glu His His Pro Ser

228 65 70 75 80

229 His Gly Ala Ser Arg Asp Lys Gly His Pro His Gly His Leu Pro Gly

230 85 90 95

231 Ser Arg Ser Gly Ser Lys Lys Pro Gly Lys Asn Cys Thr Ser His Arg

232 100 105 110

233 Asn Arg Asn Gln Ile Ser Lys Gly Ser Ala Gly Lys Glu Leu Pro Glu

234 115 120 125

235 Leu Gln Asp Tyr Ala Pro Asp Tyr Gln His Lys Phe Ser Phe Asp Ile

236 130 135 140

237 Met Pro Thr Ala Arg Pro Lys Arg Lys Gly Lys Cys Ala Arg Arg Thr

238 145 150 155 160

239 Pro Ile Arg Ala Pro Ser Gly Val Gln Gln Ala Ser Ser Gly Thr

240 165 170 175

242 <210> SEQ ID NO: 5

243 <211> LENGTH: 445

244 <212> TYPE: PRT

245 <213> ORGANISM: Artificial Sequence

247 <220> FEATURE:

248 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =

249 Synthetic Construct

251 <400> SEQUENCE: 5

252 Met Leu Arg Lys Gly Cys Cys Val Glu Leu Leu Leu Leu Leu Ala

253 1 5 10 15

254 Gly Glu Leu Pro Leu Ser Gly Gly Cys Pro Arg Asp Cys Val Cys Tyr

255 20 25 30

256 Pro Ser Pro Met Thr Val Ser Cys Gln Ala His Asn Phe Ala Ala Ile

257 35 40 45

258 Pro Glu Gly Ile Pro Glu Asp Ser Glu Arg Ile Phe Leu Gln Asn Asn

259 50 55 60

260 His Ile Thr Phe Leu Gln Gly His Phe Ser Pro Ala Met Val Thr

261 65 70 75 80

262 Leu Trp Ile Tyr Ser Asn Asn Ile Thr Phe Ile Ala Pro Asn Thr Phe

263 85 90 95

264 Glu Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln

265 100 105 110

266 Leu Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/21/2006

PATENT APPLICATION: US/10/551,833

TIME: 14:53:18

Input Set : A:\21108.0028P1.SEQ.TXT

Output Set: N:\CRF4\08212006\J551833.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 268

VERIFICATION SUMMARY

DATE: 08/21/2006

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Input Set : A:\21108.0028P1.SEQ.TXT

Output Set: N:\CRF4\08212006\J551833.raw

L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:240